

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A low-pressure gas discharge lamp,  
~~which is equipped with comprising:~~  
a gas discharge vessel containing an inert gas filling and  
 $2 \times 10^{-11}$  to  $2 \times 10^{-9}$  mole/cm<sup>3</sup> of tin halides in a gas phase; ~~as the~~  
~~buffer gas, and with~~  
electrodes; and with  
means for generating and maintaining a low-pressure gas  
~~discharge, characterized in that it contains at least one tin~~  
~~halide.~~

Claim 2 (Canceled)

3. (Currently Amended) A low-pressure gas discharge lamp as

~~claimed in claim 1, characterized in that it contains comprising:~~

a gas discharge vessel containing an inert gas and

approximately  $2 \times 10^{-10}$  mole/cm<sup>3</sup> of tin halides in the gas phase,

corresponding to an operational pressure of approximately 10  $\mu$ bar,

electrodes; and

means for generating and maintaining a low-pressure gas

discharge.

4. (Currently Amended) A low-pressure gas discharge lamp as

~~claimed in claim 1, characterized in that comprising:~~

a gas discharge vessel containing an inert gas filling;

electrodes; and

means for generating and maintaining a low-pressure gas

discharge, wherein a wall temperature of  $T^* \pm 50$  K is set, and

wherein  $T^*$  is 220° C for tin chloride, 230° C for tin bromide, and 275° C for tin iodide.

5. (Currently Amended) A The low-pressure gas discharge lamp

as claimed in claim 1, ~~characterized in that the wherein a gas~~

pressure of the inert gas lies in ~~the range between 1 and 5 mbar,~~

~~and is preferably around 2 mbar.~~

6. (Currently Amended) ~~A-The~~ low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that the~~ wherein a UV radiation emitted as a result of the discharge is converted into visible radiation by means of suitable fluorescent materials.

7. (Currently Amended) ~~A-The~~ low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that the~~ wherein walls of the discharge device comprise quartz,  $\text{Al}_2\text{O}_3$ , or yttrium-aluminum garnet, ~~or similar known materials.~~

8. (Currently Amended) ~~A-The~~ low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that~~ wherein the discharge can be excited inductively or capacitively with external electrodes and a high-frequency alternating field.

9. (Currently Amended) ~~A-The~~ low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that the~~ internal wherein the electrodes comprise conductive materials ~~(for example tungsten~~

~~or rhenium).~~

10. (Currently Amended) ~~A~~ The low-pressure gas discharge lamp as claimed in claim 1, ~~characterized in that it contains internal~~ wherein the electrodes ~~which are additionally provided with a~~ material of low work function.

11. (New) The low-pressure gas discharge lamp as claimed in claim 1, wherein the electrodes comprise rhenium.

12. (New) The low-pressure gas discharge lamp as claimed in claim 1, wherein the electrodes comprise tungsten.

13. (New) The low-pressure gas discharge lamp as claimed in claim 1, further comprising a fluorescent coating on an outer surface of the gas discharge vessel.